CONTENTS

Number 1

JAMES THORP, W. M. JOHNSON, and E. C. REED. Some Post-Pliocene Buried Soils of Central United States 1

G. OWEN. A Provisional Classification of Malayan Soils . . . 20

T. EDEN. Some Agricultural Properties of Ceylon Montane Tea Soils . 43

G. R. CLARKE. The Evaluation of Soils and the Definition of Quality Classes from Studies of the Physical Properties of the Soil Profile in the Field . 50

H. SHIVA RAU and S. KASINATHAN. Studies on Soil Systematics: the Black Soils of the Madras Deccan 61

J. M. BREMNER. A Review of Recent Work on Soil Organic Matter. Part I 67

T. TANADA. Certain Properties of the Inorganic Colloidal Fraction of Hawaiian Soils 83

E. M. CHENERY. Some Aspects of the Aluminium Cycle . . . 97

E. G. WILLIAMS. Effects of Acid Treatment of Soils on Phosphate Availability and Solubility 110

I. A. BLACK. Theoretical Errors of Hydrometer Methods for the Mechanical Analysis of Soils 118

Number 2

C. G. T. MORISON. Gilbert Wooding Robinson, 1888–1950 . . 135

W. R. HEATHCOTE. A Soil Survey on Warpland in Yorkshire . . 144

A. MUIR. Notes on the Soils of Syria 163

L. DE LEENHEER and M. DE BOODT. Characterization of Belgian Sea-polder Soils by the Clay Fraction and Cation-exchange Capacity . . 183

M. RIM. The Influence of Geophysical Processes on the Stratification of Sandy Soils 188

C. BLOOMFIELD. Experiments on the Mechanism of Gley Formation . 196

H. C. PEREIRA. A Cylindrical Gypsum Block for Moisture Studies in Deep Soils 212

B. CHATTERJEE and S. DATTA. Phosphate Fixation by Clay Minerals: Montmorillonite and Kaolinite 224

S. G. HEINTZE and P. J. G. MANN. A Study of Various Fractions of the Manganese of Neutral and Alkaline Organic Soils . . . 234

C. L. WHITTLES and E. K. SCHOFIELD-PALMER. On pC, pS, and pN as Indicating Functions of Electrical Soil Conductivity 243

W. E. CHAMBERS and H. W. GARDNER. The Effect of Soil Calcium on the Mineral Content of Wheat 246

G. W. COOKE. Fixation of Phosphate during the Acid Extraction of Soils . 254